



# **STIC Search Report**

## **EIC 1700**

**STIC Database Tracking Number: 158408**

**TO: Hai Vo**  
**Location: REM 6B76**  
**Art Unit : 1771**  
**July 6, 2005**

**Case Serial Number: 10/706482**

**From: Mrs. Kendra Banks**  
**Location: EIC 1700**  
**REM 4B28**  
**Phone: 571-272-2516**

**Kendra.Mellerson@uspto.gov**

### **Search Notes**

No Cases Reported

US 6,316,092

Access DB#

158408

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: HAi VO Examiner #: 78509 Date: 07/06/05  
Art Unit: 1771 Phone Number 30 272-1485 Serial Number: ~~09/05/258~~ 10/706,482  
Mail Box and Bldg/Room Location: \_\_\_\_\_ Results Format Preferred (circle): PAPER DISK E-MAIL

**If more than one search is submitted, please prioritize searches in order of need.**

\*\*\*\*\*

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Aengel - coated sheet  
Inventors (please provide full names): Dierk Frank, Fritz schwertfeger  
Andreas Zimmermann

Earliest Priority Filing Date: Oct 11, 1996

*\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Reissue US 6,316,092

~~Litigation search~~

Litigation search

SCIENTIFIC REFERENCE BR

Sci & Tech Inf - Cnt

JUL 06 RECD

Pat. & T.M. Office

No Cases

\*\*\*\*\*

**Current session 06/07/2005**

(C) QUESTEL 1994

QUESTEL.ORBIT (TM) 1998

06/07/05 22\*47\*28

Last connection: 06/07/05 17\*10\*37

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- Research Disclosure file now available - enter: INFO RDISC  
- New DE Fulltext files (2005 data) FactSheet: DEFULLA/B/U/T  
- FAMPAT worldwide family file available. Details on website  
- Derwent WPI First View file released: see DWPIFV Factsheet  
..FILE / ..INFO / ..GUIDE

**Query/Command : FILE PLUSPAT**

QUESTEL - Time in minutes : 0,57

The cost estimation below is based on Questel's  
standard price list

	Estimated cost :	0.61 USD
Cost estimated for the last database search :		0.61 USD
Estimated total session cost	:	0.61 USD

Selected file: PLUSPAT

PLUSPAT - (c) Questel-Orbit, All Rights Reserved.  
Comprehensive Worldwide Patents database  
New Patent Citation Commands & FAM Citation Report - see INFO PATCITE  
Announcing enhanced searchability of Relevancy Codes in Search Reports  
for EP, WO and FR patents. For more details see below and on QO website  
-To retrieve set of high relevancy X coded cited patents, use xctx=yes  
-To extract cited patents with only high relevancy code, use mem/xctx  
Last update of file: 2005/06/29 (YYYY/MM/DD) 2005-25/UP (last update)

Search statement 1

**Query/Command : US6316092/PN****\*\* SS 1: Results 1**

Search statement 2

**Query/Command : PRT FULL NONSTOP LEGALALL**

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1 / 1 PLUSPAT - ©QUESTEL-ORBIT

**PN** - US6316092 B1 20011113 [US6316092]  
**TI** - (B1) Aerogel-coated sheet  
**PA** - (B1) HOECHST RES & TECHNOLOGY DEUTS (US)  
**PA0** - Hoechst Research & Technology Deutschland GmbH & Company KG, Frankfurt am Main [DE]  
**IN** - (B1) FRANK DIERK (DE); SCHWERTFEGER FRITZ (DE); ZIMMERMANN ANDREAS (DE)  
**AP** - US5125898 19981207 [1998US-0051258]  
**FD** - PCT/EP96/04434 19961011 [1996WO-EP04434]  
 WO97/13803 19970417 [WO9713803]  
**PR** - DE19537821 19951011 [1995DE-1037821]  
 DE19606114 19960220 [1996DE-1006114]  
 WOEP9604434 19961011 [1996WO-EP04434]  
**IC** - (B1) B32B-003/00  
**EC** - C08J-007/06  
 C09D-001/00  
**PCL** - ORIGINAL (O) : 428312600; CROSS-REFERENCE (X) : 428312200  
**DT** - Corresponding document  
**CT** - US5306555; US5631097; US5789075; US5830548; DE1023881; DE4106727 A1; EP0667370 A2  
 Patent Abstracts of Japan. vol. 17, No. 490, Sep. 6, 1993.  
  
 Derwent Publication, Week 9637, AN-96-367002. Jun. 9, 1996.  
**STG** - (B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001  
**AB** - The invention concerns a coated sheet which includes an aerogel layer, a method of manufacturing the coated sheet and its use.  
**UP** - 2001-47

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*1 / 1 LGST - ©EPO*

**PN** - US6316092 B1 20011113 [US6316092]  
**AP** - US5125898 19981207 [1998US-0051258]  
**ACT** - 20030627 US/AS-A  
 ASSIGNMENT  
 OWNER: HOECHST RESEARCH & TECHNOLOGY DEUTSCHLAND GMBHFRAN; EFFECTIVE DATE: 19980101  
 ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: HOECHST AKTIENGESELLSCHAFT; REEL/FRAME: 013835/0668  
  
 20031029 US/AS-A  
 ASSIGNMENT  
 OWNER: CABOT CORPORATION TWO SEAPORT LANE, SUITE 1300BOST; EFFECTIVE DATE: 19980723  
 ASSIGNMENT OF ASSIGNORS INTEREST; ASSIGNOR: HOECHST RESEARCH & TECHNOLOGY DEUTSCHLAND GMBH & CO. KG; REEL/FRAME: 014086/0584

20040120 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20031112

UP - 2005-11

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1 / 1 CRXX - ©CLAIMS/RRX

PN - 6,316,092 A 20011113 [US6316092]  
PA - Hoechst Research & Technology Deutschland GmbH & Co KG DE  
ACT - 20030627 REASSIGNED  
ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: HOECHST AKTIENGESELLSCHAFT, DATE SIGNED: 01/01/1998

Assignee: HOECHST RESEARCH & TECHNOLOGY DEUTSCHLAND  
GMBH, FRANKFURT AM MAIN, GERMANY

Reel 013835/Frame 0668

Contact: CABOT CORPORATION, MARTHA ANN FINNEGAN, LAW  
DEPARTMENT, 157 CONCORD ROAD, BILLERICA, MA 01821

20031029 REASSIGNED  
ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: HOECHST RESEARCH & TECHNOLOGY DEUTSCHLAND  
GMBH & CO. KG DATE SIGNED: 07/23/1998

Assignee: CABOT CORPORATION TWO SEAPORT LANE, SUITE 1300  
BOSTON MASSACHUSETTS 02210

Reel 014086/Frame 0584

Contact: CABOT CORPORATION ROBERT J. FOLLETT LAW  
DEPARTMENT 157 CONCORD ROAD BILLERICA, MA 01821

20031112 REISSUE REQUESTED  
ISSUE DATE OF O.G.: 20040120  
REISSUE REQUEST NUMBER: 10/706482  
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1773

Reissue Patent Number:

Search statement 2

## Query/Command : FILE INPADOC

PLUSPAT - Time in minutes : 0,24

The cost estimation below is based on Questel's standard price list

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Records displayed and billed :	1	
	Estimated cost :	1.40 USD
Cost estimated for the last database search :		2.06 USD
Estimated total session cost :		2.67 USD

LGST - Time in minutes : 0,01

The cost estimation below is based on Questel's standard price list

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	Estimated cost :	0.65 USD
Légal-Status informations :	1	
	Estimated cost :	0.50 USD
Cost estimated for the last database search :		1.16 USD
Estimated total session cost :		3.83 USD

CRXX - Time in minutes : 0,01

The cost estimation below is based on Questel's standard price list

	Estimated cost :	0.01 USD
Records displayed and billed :	1	
	Estimated cost :	5.70 USD
Legal-Status informations :	1	
	Estimated cost :	0.50 USD
Cost estimated for the last database search :		6.21 USD
Estimated total session cost :		10.04 USD

LITA - Time in minutes : 0,00

The cost estimation below is based on Questel's standard price list

Estimated total session cost :		10.04 USD
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Selected file: INPADOC

You are now connected to INPADOC

Covers 1968/1973 thru weekly updates (2005-26)

For information on content, (...)INFO INPD.

Search statement 1

## Query/Command : FAM US6316092/PN

1 Patent Groups

## \*\* SS 1: Results 16

Search statement 2

## Query/Command : FAMSTATE NONSTOP

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1 / 16 INPADOC - ©INPADOC

PN - AT 220083 E 20020715 [ATE220083]  
TI - AEROGELBESCHICHTETE FOLIE  
IN - FRANK DIERK [DE]; SCHWERTFEGER FRITZ [DE]; ZIMMERMANN  
ANDREAS [DE]  
PA - CABOT CORP [US]  
AP - AT 96934647/96-EP 19961011 [1996EP-0934647]  
PR - DE 19537821/95-A 19951011 [1995DE-1037821]  
DE 19606114/96-A 19960220 [1996DE-1006114]  
WO 9604434/96(EP)-W 19961011 [1996WO-EP04434]  
IC - C08J-007/06; C09D-001/00

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1 / 1 LEGALI - ©EPO

PN - AT220083 T 20020715 [ATE220083]  
AP - AT96934647T 19961011 [1996AT-0934647]  
ACTE - 20040115 AT/REN-T [-]  
CEASED DUE TO NON-PAYMENT OF THE ANNUAL FEE  
UP - 2004-06

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2 / 16 INPADOC - ©INPADOC

PN - CA 2232628 AA 19970417 [CA2232628]  
TI - AEROGEL-COATED FILM  
FEUILLE REVETUE D'AEROGEL  
LA - ENG  
IN - ZIMMERMAN ANDREAS [DE]; SCHWERTFEGER FRITZ [DE]; FRANK  
DIERK [DE]  
PA - HOECHST RES & TECHNOLOGY DEUTS [DE]  
AP - CA 2232628/96-A 19961011 [1996CA-2232628]  
PR - DE 19537821/95-A 19951011 [1995DE-1037821]  
DE 19606114/96-A 19960220 [1996DE-1006114]  
WO 9604434/96(EP)-W 19961011 [1996WO-EP04434]  
IC - C08J-007/06; C09D-001/00

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1 / 1 LEGALI - ©EPO

PN - CA2232628 A1 19970417 [CA2232628]  
AP - CA2232628 19961011 [1996CA-2232628]  
ACTE - 20030403 CA/AFNE-A [+]  
NATIONAL PHASE ENTRY  
EFFECTIVE DATE: 19980320  
  
20030403 CA/EEER-A [+]

EXAMINATION REQUEST  
EFFECTIVE DATE: 20011011

UP - 2004-09

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3 / 16 INPADOC - ©INPADOC

PN - CN 1105737 C 20030416 [CN1105737]  
TI - Aerogel-coated sheet  
IN - FRANK D [DE]; SCHWERTFEGER F [DE]; ZIMMERMANN A [DE]  
PA - HOECHST RES & TECHNOLOGY DEUTS [DE]  
AP - CN 96197560/96-A 19961011 [1996CN-0197560]  
PR - DE 19537821/95-A 19951011 [1995DE-1037821]  
DE 19606114/96-A 19960220 [1996DE-1006114]  
IC - C08J-007/06; C09D-001/00

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4 / 16 INPADOC - ©INPADOC

PN - CN 1199411 A 19981118 [CN1199411]  
TI - AEROGEL-COATED SHEET  
IN - FRANK D [DE]; SCHWERTFEGER F [DE]; ZIMMERMANN A [DE]  
PA - HOECHST RES & TECH GMBH & CO [DE]  
AP - CN 96197560/96-A 19961011 [1996CN-0197560]  
PR - DE 19537821/95-A 19951011 [1995DE-1037821]  
DE 19606114/96-A 19960220 [1996DE-1006114]  
IC - C08J-007/06; C09D-001/00

---

5 / 16 INPADOC - ©INPADOC

PN - DE 59609414 C0 20020808 [DE59609414]  
TI - AEROGELBESCHICHTETE FOLIE  
IN - FRANK DIERK [DE]; SCHWERTFEGER FRITZ [DE]; ZIMMERMANN  
ANDREAS [DE]  
PA - CABOT CORP [US]  
AP - DE 59609414/96-A 19961011 [1996DE-5009414]  
PR - DE 59609414/96-A 19961011 [1996DE-5009414]  
DE 19537821/95-A 19951011 [1995DE-1037821]  
DE 19606114/96-A 19960220 [1996DE-1006114]  
WO 9604434/96(EP)-W 19961011 [1996WO-EP04434]  
IC - C08J-007/06; C09D-001/00

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1 / 1 LEGALI - ©EPO

PN - DE59609414 D1 20020808 [DE59609414]  
AP - DE59609414 19961011 [1996DE-5009414]  
ACTE - 20030731 DE/8364-A [+]  
NO OPPOSITION DURING TERM OF OPPOSITION



UP - 2003-31

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6/16 INPADOC - ©INPADOC

PN - DE 19537821 A1 19970417 [DE19537821]  
TI - AEROGELBESCHICHTETE FOLIE  
IN - FRANK DIERK DR [DE]; SCHWERTFEGER FRITZ DR [DE];  
ZIMMERMANN ANDREAS DR [DE]  
PA - HOECHST AG [DE]  
AP - DE 19537821/95-A 19951011 [1995DE-1037821]  
PR - DE 19537821/95-A 19951011 [1995DE-1037821]  
IC - C08J-007/04; C08J-005/12; B32B-027/14; B05D-007/04; F16L-059/00; B32B-005/16; B32B-015/16; G10K-011/162

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1/1 LEGALI - ©EPO

PN - DE19537821 A1 19970417 [DE19537821]  
AP - DE19537821 19951011 [1995DE-1037821]  
ACTE - 19970703 DE/8130-A [-]  
WITHDRAWAL  
UP - 2003-22

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7/16 INPADOC - ©INPADOC

PN - DE 19606114 A1 19970821 [DE19606114]  
TI - AEROGELBESCHICHTETE FOLIE  
IN - FRANK DIERK DR [DE]; SCHWERTFEGER FRITZ DR [DE];  
ZIMMERMANN ANDREAS DR [DE]  
PA - HOECHST AG [DE]  
AP - DE 19606114/96-A 19960220 [1996DE-1006114]  
PR - DE 19606114/96-A 19960220 [1996DE-1006114]  
IC - C08J-007/04; C08J-005/04; C08J-005/10; C08J-009/28; C08K-003/20; C08K-003/34; C08K-003/36; F16L-059/00; E04B-001/76; C08L-001/12; C08L-023/06; C08L-023/16; C08L-023/20; C08L-025/06; C08L-027/06; C08L-027/08; C08L-027/12; C08L-027/18; C08L-031/04; C08L-033/12; C08L-033/20; C08L-069/00; C08L-071/02; C08L-067/00; C08L-077/02; C08L-077/10; C08 -000/00

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1/1 LEGALI - ©EPO

PN - DE19606114 A1 19970821 [DE19606114]  
AP - DE19606114 19960220 [1996DE-1006114]  
ACTE - 19971120 DE/8130-A [-]  
WITHDRAWAL  
UP - 2003-22

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## 8/16 INPADOC - ©INPADOC

PN - EP 854892 B1 20020703 [EP-854892]  
TI - AEROGEL-COATED SHEET  
LA - GER  
IN - FRANK DIERK [DE]; SCHWERTFEGER FRITZ [DE]; ZIMMERMANN  
ANDREAS [DE]  
PA - CABOT CORP [US]  
AP - EP 96934647/96-A 19961011 [1996EP-0934647]  
PR - DE 19537821/95-A 19951011 [1995DE-1037821]  
DE 19606114/96-A 19960220 [1996DE-1006114]  
WO 9604434/96(EP)-W 19961011 [1996WO-EP04434]  
IC - C08J-007/06; C09D-001/00  
DS - AT\* BE\* CH\* DE\* DK\* ES\* FR\* GB\* IT\* LI\* NL\* SE\*

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1/1 LEGALI - ©EPO

PN - EP0854892 A1 19980729 [EP-854892]EP0854892 B1 20020703 [EP-854892]  
AP - EP96934647 19961011 [1996EP-0934647]  
ACTE -  
19980729 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
AT BE CH DE DK ES FR GB IT LI NL SE  
  
19980729 EP/17P-A [+]  
REQUEST FOR EXAMINATION FILED  
EFFECTIVE DATE: 19980415  
  
19990428 EP/RAP1-A  
APPLICANT REASSIGNMENT (CORRECTION)  
OWNER: CABOT CORPORATION  
  
19991222 EP/17Q-A [+]  
FIRST EXAMINATION REPORT  
EFFECTIVE DATE: 19991108  
  
20010502 EP/RAP1-A  
APPLICANT REASSIGNMENT (CORRECTION)  
OWNER: CABOT CORPORATION  
  
20020703 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
AT BE CH DE DK ES FR GB IT LI NL SE  
  
20020703 EP/REF-A  
CORRESPONDS TO:  
(AT 220083T 20020715 [ATE220083])  
  
20020715 EP/REG-A; CH/EP [+]  
CH: ENTRY IN THE NATIONAL PHASE

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20020808 EP/REF-A  
CORRESPONDS TO:  
(DE 59609414 20020808 [DE59609414])

20020828 EP/GBT-A [+]  
GB: TRANSLATION OF EP PATENT FILED (GB SECTION 77(6)(A)/1977)  
EFFECTIVE DATE: 20020807

20020930 EP/REG-A; CH/NV  
CH: NEW AGENT

<CH>

REPRESENTATIVE: R. A. EGLI & CO. PATENTANWAELTE

20021216 EP/REG-A; ES/FG2A  
ES: DEFINITIVE PROTECTION  
(ES 2177810T3 [ES2177810])

20021220 EP/ET-A [+]  
FR: TRANSLATION FILED

20030430 EP/BERE-A [-]  
BE: LAPSED  
OWNER: \*CABOT CORP.; EFFECTIVE DATE: 20021031

20030625 EP/26N-A [+]  
NO OPPOSITION FILED  
EFFECTIVE DATE: 20030404

20031112 EP/25-A [-]  
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EFFECTIVE DATE: 20021003

20040303 EP/25-A [-]  
LAPSED IN A CONTRACTING STATE  
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EFFECTIVE DATE: 20021031

20040303 EP/25-A [-]  
LAPSED IN A CONTRACTING STATE  
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EFFECTIVE DATE: 20021003

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LAPSED IN A CONTRACTING STATE  
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20040331 EP/25-A [-]

LAPSED IN A CONTRACTING STATE

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EFFECTIVE DATE: 20021031

20040331 EP/25-A [-]

LAPSED IN A CONTRACTING STATE

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EFFECTIVE DATE: 20021003

20050531 EP/EUG-A [-]

SE: EUROPEAN PATENT HAS LAPSED

20050615 EP/REG-A; CH/PL [-]

CH: PATENT CEASED

<CH>

UP - 2005:24

9/16 INPADOC - ©INPADOC

PN - EP 854892 A1 19980729 [EP-854892]

TI - AEROGEL-COATED SHEET

LA - GER

IN - FRANK DIERK [DE]; SCHWERTFEGER FRITZ [DE]; ZIMMERMANN  
ANDREAS [DE]

PA - HOECHST RES & TECH GMBH & CO [DE]

AP - EP 96934647/96-A 19961011 [1996EP-0934647]

PR - DE 19537821/95-A 19951011 [1995DE-1037821]

DE 19606114/96-A 19960220 [1996DE-1006114]

WO 9604434/96(E)-W 19961011 [1996WO-EP04434]

IC - C08J-007/06; C09D-001/00

DS - AT\* BE\* CH\* DE\* DK\* ES\* FR\* GB\* IT\* LI\* NL\* SE\*

1/1 LEGALI - ©EPO

PN - EP0854892 A1 19980729 [EP-854892]EP0854892 B1 20020703 [EP-854892]

AP - EP96934647 19961011 [1996EP-0934647]

ACTE - 19980729 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
AT BE CH DE DK ES FR GB IT LI NL SE

19980729 EP/17P-A [+]

REQUEST FOR EXAMINATION FILED

EFFECTIVE DATE: 19980415

19990428 EP/RAP1-A

APPLICANT REASSIGNMENT (CORRECTION)

OWNER: CABOT CORPORATION

19991222 EP/17Q-A [+]  
FIRST EXAMINATION REPORT  
EFFECTIVE DATE: 19991108

20010502 EP/RAP1-A  
APPLICANT REASSIGNMENT (CORRECTION)  
OWNER: CABOT CORPORATION

20020703 EP/AK-A [+]  
DESIGNATED CONTRACTING STATES:  
AT BE CH DE DK ES FR GB IT LI NL SE

20020703 EP/REF-A  
CORRESPONDS TO:  
(AT 220083T 20020715 [ATE220083])

20020715 EP/REG-A; CH/EP [+]  
CH: ENTRY IN THE NATIONAL PHASE  
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20020808 EP/REF-A  
CORRESPONDS TO:  
(DE 59609414 20020808 [DE59609414])

20020828 EP/GBT-A [+]  
GB: TRANSLATION OF EP PATENT FILED (GB SECTION 77(6)(A)/1977)  
EFFECTIVE DATE: 20020807

20020930 EP/REG-A; CH/NV  
CH: NEW AGENT  
<CH>  
REPRESENTATIVE: R. A. EGLI & CO. PATENTANWAELTE

20021216 EP/REG-A; ES/FG2A  
ES: DEFINITIVE PROTECTION  
(ES 2177810T3 [ES2177810])

20021220 EP/ET-A [+]  
FR: TRANSLATION FILED

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BE: LAPSED  
OWNER: \*CABOT CORP.; EFFECTIVE DATE: 20021031

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NO OPPOSITION FILED  
EFFECTIVE DATE: 20030404

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EFFECTIVE DATE: 20021003

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EFFECTIVE DATE: 20021031

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EFFECTIVE DATE: 20021003

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LAPSED IN A CONTRACTING STATE  
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EFFECTIVE DATE: 20021011

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LAPSED IN A CONTRACTING STATE  
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EFFECTIVE DATE: 20021031

20040331 EP/25-A [-]  
LAPSED IN A CONTRACTING STATE  
<DK>

EFFECTIVE DATE: 20021003

20050531 EP/EUG-A [-]  
SE: EUROPEAN PATENT HAS LAPSED

20050615 EP/REG-A; CH/PL [-]  
CH: PATENT CEASED  
<CH>

UP - 2005-24

---

10/16 INPADOC - ©INPADOC

PN - ES 2177810 T3 20021216 [ES2177810]  
TI - LAMINA RECUBIERTA DE AEROGEL.  
IN - FRANK DIERK [DE]; SCHWERTFEGER FRITZ [DE]; ZIMMERMANN  
ANDREAS [DE]  
PA - CABOT CORP  
AP - ES 96934647/96-EP 19961011 [1996EP-0934647]  
PR - DE 19537821/95-A 19951011 [1995DE-1037821]  
DE 19606114/96-A 19960220 [1996DE-1006114]  
IC - C08J-007/06; C09D-001/00

---

11/16 INPADOC - ©INPADOC

**PN** - JP 11513431 T2 19991116 [JP11513431]  
**AP** - JP 514720/96-A 19961011 [1996JP-0514720]  
**PR** - DE 19537821/95-A 19951011 [1995DE-1037821]  
DE 19606114/96-A 19960220 [1996DE-1006114]  
WO 9604434/96(EP)-W 19961011 [1996WO-EP04434]  
**IC** - C08J-007/06; B32B-027/06; C09D-001/00

---

12 / 16 INPADOC - ©INPADOC

**PN** - NO 315241 B1 20030804 [NO-315241]  
**TI** - AEROGELBELAGT FOLIE, FREMGANGSMAATER FOR FREMSTILLING  
DERAV SAMT ANVENDELSEAV FOLIEN  
**IN** - FRANK DIERK [DE]; SCHWERTFEGER FRITZ [DE]; ZIMMERMANN  
ANDREAS [DE]  
**PA** - CABOT CORP [US]  
**AP** - NO 981452/98-A 19980331 [1998NO-0001452]  
**PR** - DE 19537821/95-A 19951011 [1995DE-1037821]  
DE 19606114/96-A 19960220 [1996DE-1006114]  
WO 9604434/96(EP)-W 19961011 [1996WO-EP04434]  
**IC** - C08J-007/06; C09D-001/00

---

13 / 16 INPADOC - ©INPADOC

**PN** - NO 981452 A 19980331 [NO9801452]  
**TI** - AEROGELBELAGT FOLIE  
**IN** - FRANK DIERK [DE]; SCHWERTFEGER FRITZ [DE]; ZIMMERMANN  
ANDREAS [DE]  
**PA** - HOECHST RESEARCH & TECHNOLOGY [DE]  
**AP** - NO 981452/98-A 19980331 [1998NO-0001452]  
**PR** - DE 19537821/95-A 19951011 [1995DE-1037821]  
DE 19606114/96-A 19960220 [1996DE-1006114]  
WO 9604434/96(EP)-W 19961011 [1996WO-EP04434]  
**IC** - C08J-000/00; C09D-000/00

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**PN** - NO 981452 A0 19980331 [NO9801452]  
**TI** - AEROGELBELAGT FOLIE  
**IN** - FRANK DIERK [DE]; SCHWERTFEGER FRITZ [DE]; ZIMMERMANN  
ANDREAS [DE]  
**PA** - HOECHST RESEARCH & TECHNOLOGY [DE]  
**AP** - NO 981452/98-A 19980331 [1998NO-0001452]  
**PR** - DE 19537821/95-A 19951011 [1995DE-1037821]  
DE 19606114/96-A 19960220 [1996DE-1006114]  
WO 9604434/96(EP)-W 19961011 [1996WO-EP04434]  
**IC** - C08J-000/00; C09D-000/00

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*15 / 16 INPADOC - ©INPADOC*

**PN** - US 6316092 BA 20011113 [US6316092]  
**TI** - AEROGEL-COATED SHEET  
**IN** - FRANK DIERK [DE]; SCHWERTFEGER FRITZ [DE]; ZIMMERMANN  
ANDREAS [DE]  
**PA** - HOECHST RES & TECHNOLOGY DEUTS [US]  
**AP** - US 51258/98-A 19981207 [1998US-0051258]  
**PR** - DE 19537821/95-A 19951011 [1995DE-1037821]  
DE 19606114/96-A 19960220 [1996DE-1006114]  
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**IC** - B32B-003/00

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**PN** - US6316092 B1 20011113 [US6316092]  
**AP** - US5125898 19981207 [1998US-0051258]  
**ACTE** - 20030627 US/AS-A  
ASSIGNMENT  
OWNER: HOECHST RESEARCH & TECHNOLOGY DEUTSCHLAND  
GMBHFRAN; EFFECTIVE DATE: 19980101  
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:HOECHST  
AKTIENGESELLSCHAFT;REEL/FRAME:013835/0668  
  
20031029 US/AS-A  
ASSIGNMENT  
OWNER: CABOT CORPORATION TWO SEAPORT LANE, SUITE  
1300BOST; EFFECTIVE DATE: 19980723  
ASSIGNMENT OF ASSIGNORS INTEREST;ASSIGNOR:HOECHST  
RESEARCH & TECHNOLOGY DEUTSCHLAND GMBH & CO.  
KG;REEL/FRAME:014086/0584  
  
20040120 US/RF-A  
REISSUE APPLICATION FILED  
EFFECTIVE DATE: 20031112  
**UP** - 2005-11

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*16 / 16 INPADOC - ©INPADOC*

**PN** - WO 9713803 A1 19970417 [WO9713803]  
**TI** - AEROGEL-COATED SHEET  
**LA** - GER  
**IN** - FRANK DIERK [DE]; SCHWERTFEGER FRITZ [DE]; ZIMMERMANN  
ANDREAS [DE]  
**PA** - HOECHST AG [DE]; FRANK DIERK [DE]; SCHWERTFEGER FRITZ [DE];  
ZIMMERMANN ANDREAS [DE]  
**AP** - WO 9604434/96(EP)-A 19961011 [1996WO-EP04434]



**PR** - DE 19537821/95-A 19951011 [1995DE-1037821]  
DE 19606114/96-A 19960220 [1996DE-1006114]  
**IC** - C08J-007/06; C09D-001/00  
**DS** - CA\* CN\* JP\* KR\* MX\* NO\* US\* AT BE CH DE DK ES FI FR GB GR IE IT  
LU MC NL PT SE

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*1/1 LEGALI - ©EPO*

**PN** - WO9713803 A1 19970417 [WO9713803]  
**AP** - WOEP9604434 19961011 [1996WO-EP04434]

**ACTE** - 19970417 WO/AK [+]  
DESIGNATED STATES CITED IN A PUBLISHED APPLICATION WITH  
SEARCH REPORT  
CA CN JP KR MX NO US

19970417 WO/AL [+]  
DESIGNATED COUNTRIES FOR REGIONAL PATENTS CITED IN A  
PUBLISHED APPLICATION WITH SEARCH REPORT  
AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

19970529 WO/DFPE  
REQUEST FOR PRELIMINARY EXAMINATION FILED PRIOR TO  
EXPIRATION OF 19TH MONTH FROM PRIORITY DATE

19970806 WO/121  
EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS  
DESIGNATED IN THIS APPLICATION

19980320 WO/ENP  
ENTRY INTO THE NATIONAL PHASE IN:  
CA 2232628A [1996CA-2232628]

19980413 WO/ENP  
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**UP** - 2003-22

Search statement 2

PATNO IS 6316092

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PATNO IS 6316092

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LEVEL 1 - 1 PATENT

1. 6316092 , November 13, 2001 , Aerogel-coated sheet, Frank, Dierk - Hofheim, Germany (DE); Schwertfeger, Fritz - Griesheim, Germany (DE); Zimmermann, Andreas - Griesheim, Germany (DE), 051258 (09), Hoechst Research & Technology Deutschland GmbH & Co. KG, Frankfurt am Main, Germany (DE), 03, June 27, 2003 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., HOECHST RESEARCH & TECHNOLOGY DEUTSCHLAND GMBH FRANKFURT AM MAIN GERMANY, Reel and Frame Number: 13835/0668 October 29, 2003 - ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS)., CABOT CORPORATION TWO SEAPORT LANE, SUITE 1300 BOSTON MASSACHUSETTS 02210, Reel and Frame Number: 14086/0584

CORE TERMS: film, gel, aerogel, fibre, layer, solvent, drying, coated, sol, thermal conductivity ...

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6316092

November 13, 2001

Aerogel-coated sheet

REISSUE: November 12, 2003 - Reissue Application filed Ex. Gp.: 1773; Re. S.N. 10/706,482 (O.G. January 20, 2004)

APPL-NO: 051258 (09)

FILED-DATE: December 7, 1998

GRANTED-DATE: November 13, 2001

CORE TERMS: film, gel, aerogel, fibre, layer, solvent, drying, coated, sol, thermal conductivity ...

6316092 OR 6,316,092

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